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RESEARCH INST

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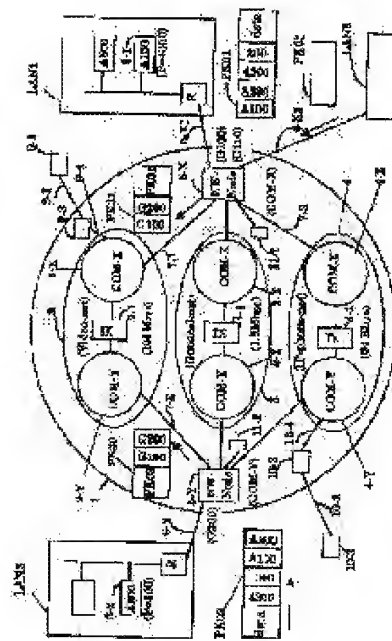
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(54) INTEGRATED IP TRANSFER NETWORK

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an integrated internet protocol(IP) transfer network that separately includes a plurality of IP transfer networks having various properties on its inside.

SOLUTION: A plurality of IP transfer networks with different properties such as an IP telephone network, an IP image network, an IP electronic text network, a best effort network, an IP data multicast network and an IP base IV broadcast network are virtually installed in the inside of the integrated IP transfer network, an address management table is set to the inside of network node device 5-X, 5-Y installed at an external input point of the integrated IP transfer network, terminal addresses and port numbers to distinguish application programs in the inside of terminals are registered in advance to this table, the address and the port number



written in a received IP packet are compared with the address and the port number having been registered in the table, and the IP packet is selectively transmitted to the IP transfer networks. Only the addresses may be compared without using the port numbers.